Inventor: Andy L. LEE et al. Application No.: Not Yet Assigned Sheet 1 of 14 108 108 104 104 <u>102</u> 102 <u>102</u> 102 102 102 106 106 <u>102</u> <u>102</u> <u>102</u> <u>102</u> 102 <u>102</u> <u>102</u> 102 <u>102</u> <u>102</u> <u>102</u> <u>102</u> <u>102</u> 102 Cout <u>100</u> 108 108 104 104 <u>102</u> <u>102</u> 102 <u>102</u> 102 102 106 106 <u>102</u> <u>102</u> <u>102</u> <u>102</u> <u>102</u> 102 <u>102</u> <u>102</u> <u>102</u> 102 102 102 <u>102</u> <u>102</u> C_{out} C_{out} FIG. 1 (Prior Art)

Title: BYPASS-ABLE CARRY CHAIN IN A PROGRAMMABLE LOGIC DEVICE

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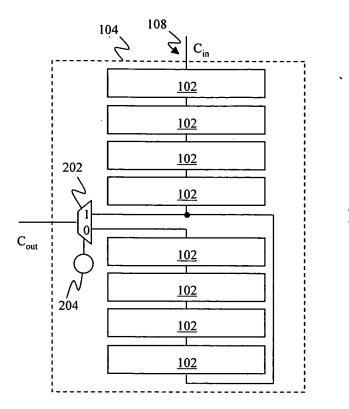


FIG. 2

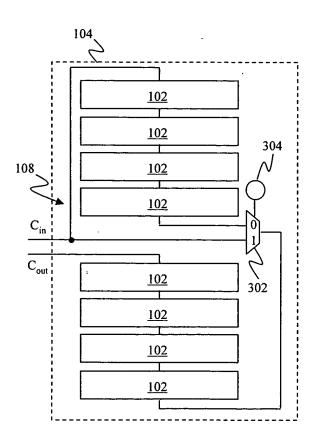


FIG. 3

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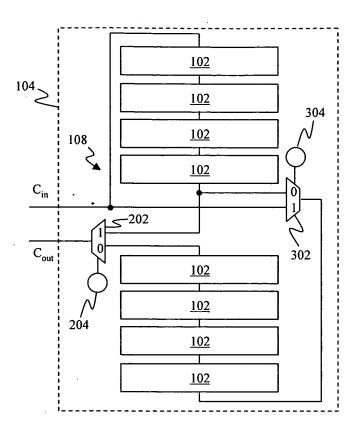


FIG. 4

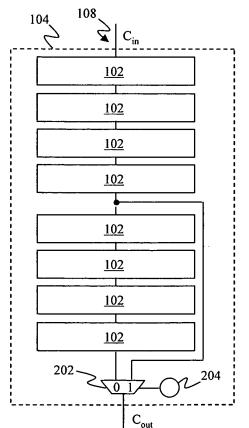
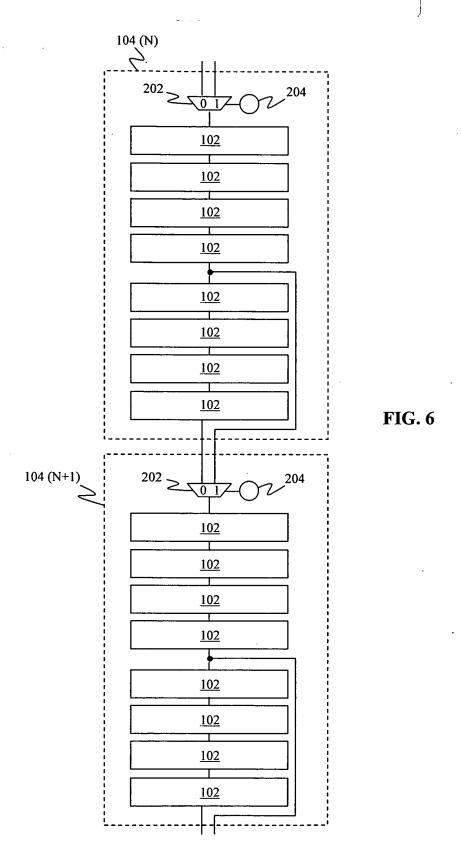


FIG. 5

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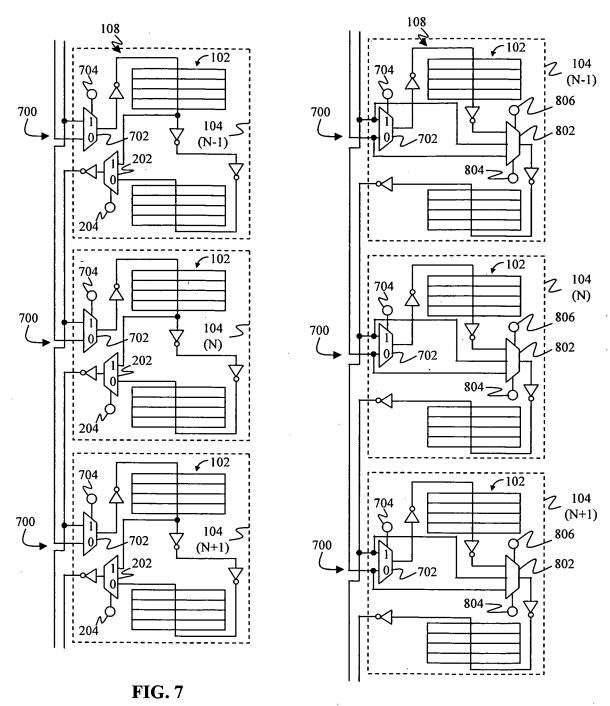
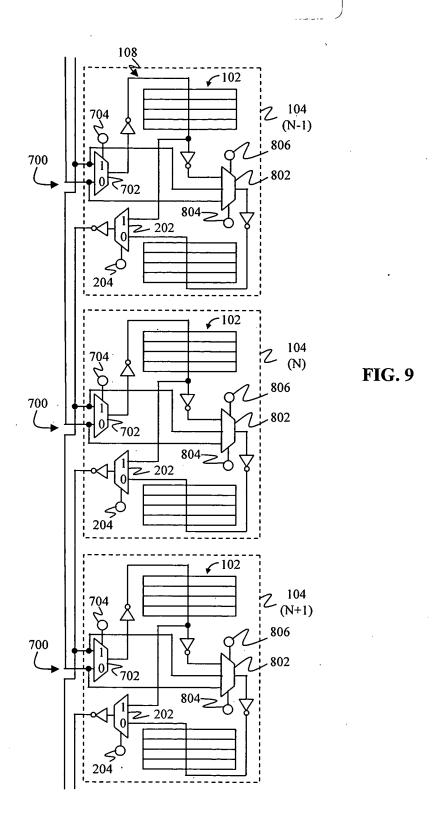


FIG. 8

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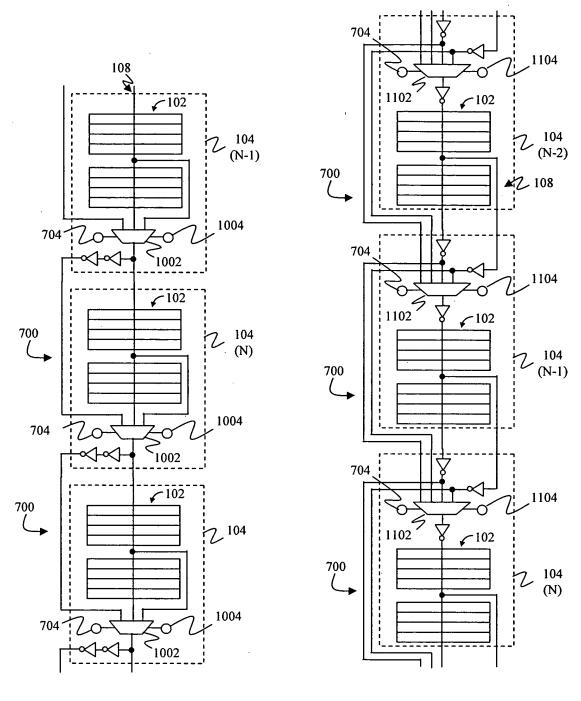


FIG. 10

FIG. 11

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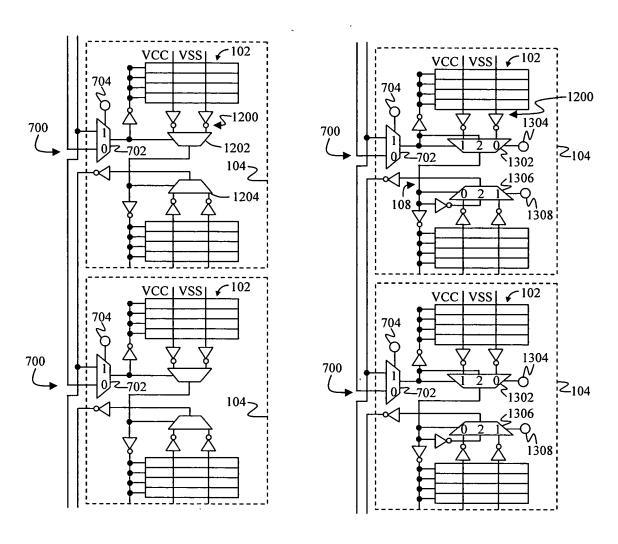
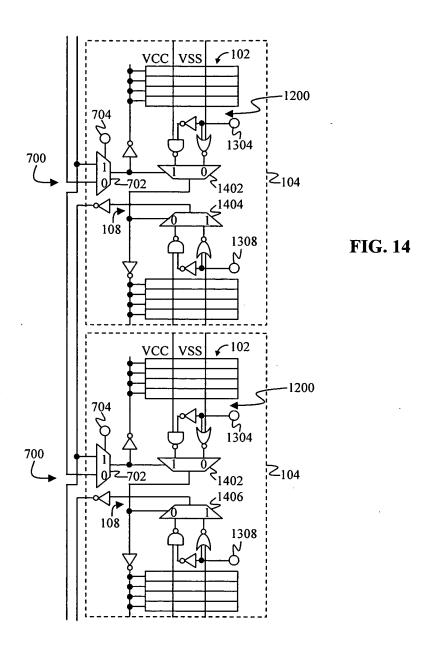


FIG. 12

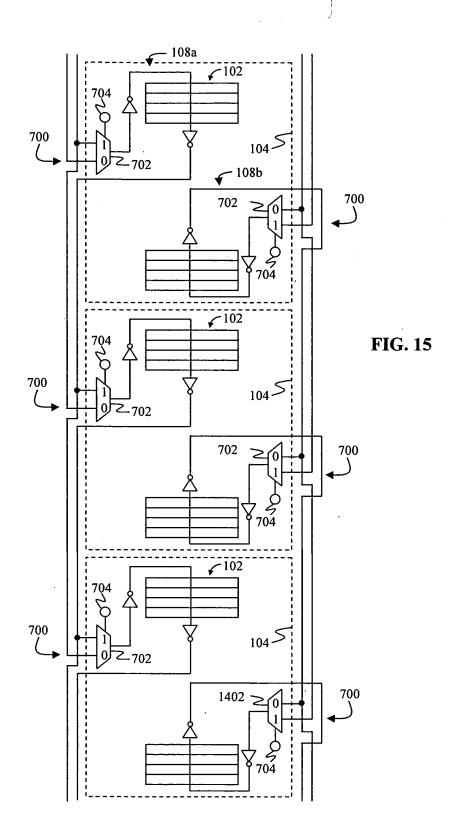
FIG. 13

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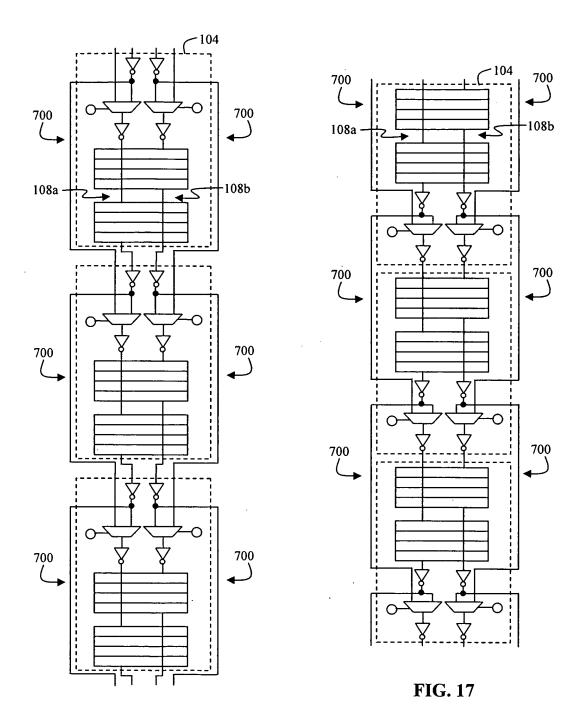
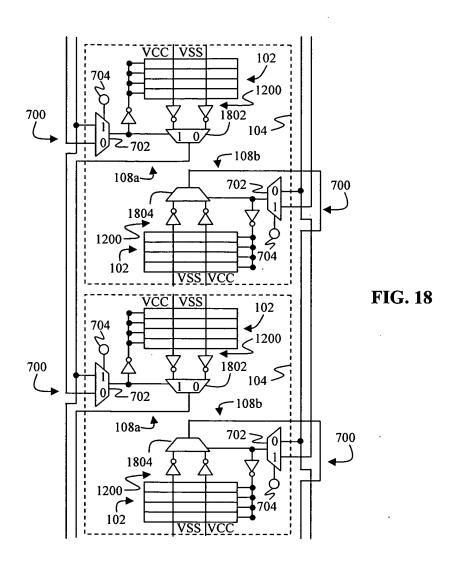
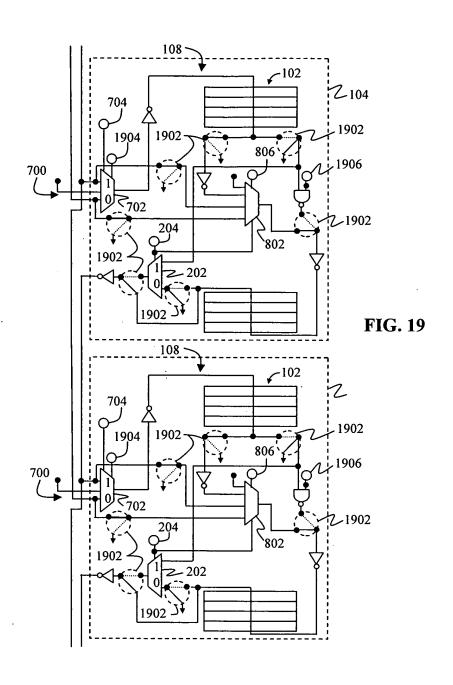


FIG. 16

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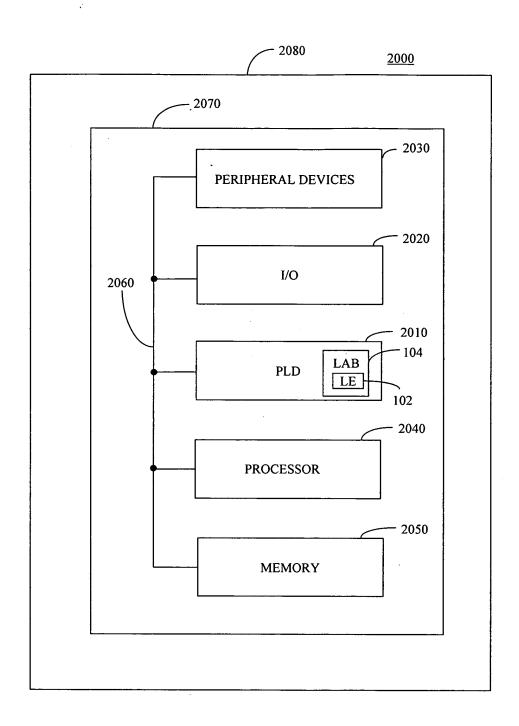


FIG. 20